UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/026,061	12/18/2001	Ira Cohen	10006656	8586

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EXAMINER
BARQADLE, YASIN M

ART UNIT	PAPER NUMBER
2153	

DATE MAILED: 08/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *18 December 2001*.

2a)☐ This action is **FINAL**.　　2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-10* is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-10* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All　b)☐ Some *　c)☐ None of:

　　　1.☐ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
　　Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
　　Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claims 1-10 are presented for examination.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs

of 35 U.S.C. 102 that form the basis for the rejections under

this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for
patent by another filed in the United States before the invention thereof
by the applicant for patent, or on an international application by another
who has fulfilled the requirements of paragraphs (1), (2), and (4) of
section 371(c) of this title before the invention thereof by the applicant
for patent.

The changes made to 35 U.S.C. 102(e) by the American

Inventors Protection Act of 1999 (AIPA) and the Intellectual

Property and High Technology Technical Amendments Act of 2002 do

not apply when the reference is a U.S. patent resulting directly

or indirectly from an international application filed before

November 29, 2000. Therefore, the prior art date of the

reference is determined under 35 U.S.C. 102(e) prior to the

amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-10 are rejected under 35 U.S.C. 102(e) as being

anticipated by Thiesson et al US. Patent No. (6807537).

As per claim, Thiesson et al teach a method for adapting a

Bayesian network (abstract), comprising the steps of:

determining a set of parameters for the Bayesian network

(parameters used are determined col. 8, lines 5-23 and col. 16,

lines 1-23);

updating the parameters for the Bayesian network in

response to a set of observation data using an adaptive learning

rate (the Bayesian network is scored for how well all decision

graphs reflect the data, and the Bayesian network is then

updated to improve its score col. 29, 36-55 and col. 32, lines

43-67. see fig. 26A)

As per claim 2, Thiesson et al teach the method of claim 1,

wherein the step of updating the parameters comprises the steps

of:

determining an initial value for the adaptive learning rate

(col. 29, 36-55);

determining an estimate of the parameters in response to

the observation data;

increasing the adaptive learning rate if an error between

the estimate and a mean value of the parameters is relatively

large (col. 15, line 55 to col. 16, line 67 and col. 20, lines

66 to col. 21, line 55) .

As per claim 3, Thiesson et al teach the method of claim 1, wherein the step of updating the parameters comprises the steps of: determining an initial value for the adaptive learning rate (col. 29, 36-55);

determining an estimate of the parameters in response to the observation data col. 29, 36-55 and col. 32, lines 43-67);

decreasing the learning rate when convergence is reached between the estimate and a mean value of the parameters (col. 15, line 55 to col. 16, line 67 and col. 20, lines 66 to col. 21, line 55).

As per claim 4, Thiesson et al teach the method of claim 1, further comprising the step of obtaining the observation data from an on-line environment (fig. 28; (col. 29, lines 36-67 and col. 30, lines 64 to col. 31, line 14).

As per claim 5, Thiesson et al teach the method of claim 1, wherein the step of obtaining comprises the step of obtaining a subset of values in the observation data from an on-line environment.

As per claim 6, Thiesson et al teach a system, comprising: on-line environment that generates a set of observation data (fig.

28);

Bayesian network that performs automated reasoning for the

on-line environment in response to the observation data (col.

29, lines 36-67);

on-line adapter that adapts a set of parameters for the

Bayesian network in response to the observation data (col. 30,

lines 64 to col. 31, line 14).

As per claim 7, Thiesson et al teach the system of claim 6,

wherein the on-line adapter adapts the parameters by determining

an initial set of the parameters and then updating the

parameters in response to the observation data using an adaptive

learning rate (col. 12, lines 14-61 and col. 29, lines 36-67).

As per claim 8, Thiesson et al teach the system of claim 7,

wherein the on-line adapter updates the parameters by

determining an initial value for the adaptive learning rate and

determining an estimate of the parameters in response to the

observation data and then increasing the adaptive learning rate

if an error between the estimate and a mean value of the

parameters is relatively large (fig. 26A col. 15, line 55 to

col. 16, line 67 and col. 20, lines 66 to col. 21, line 55)

As per claim 9, Thiesson et al teach the system of claim 7, wherein the on-line adapter updates the parameters by determining an initial value for the adaptive learning rate and determining an estimate of the parameters in response to the observation data and then decreasing the learning rate when convergence is reached between the estimate and a mean value of the parameters (col. 15, line 55 to col. 16, line 67 and col. 20, lines 66 to col. 21, line 55).

As per claim 10, Thiesson et al teach the system of claim 6, wherein the on-line adapter obtains a subset of values in the observation data from an on-line environment (fig. 28; (col. 29, lines 36-67 and col. 30, lines 64 to col. 31, line 14).

Conclusion

The prior made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yasin Barqadle whose telephone number is 571-272-3947. The examiner can normally be reached on 9:00 AM to 5:30 PM.
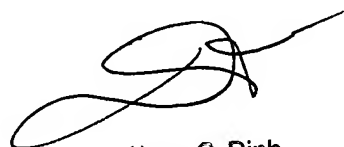
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Burgess can be reached on 571-272-3949. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Information regarding the status of an application may be obtained form the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or public PAIR system. Status information for unpublished applications is available through private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

YB

Art Unit 2153

Dung C. Dinh
Primary Examiner